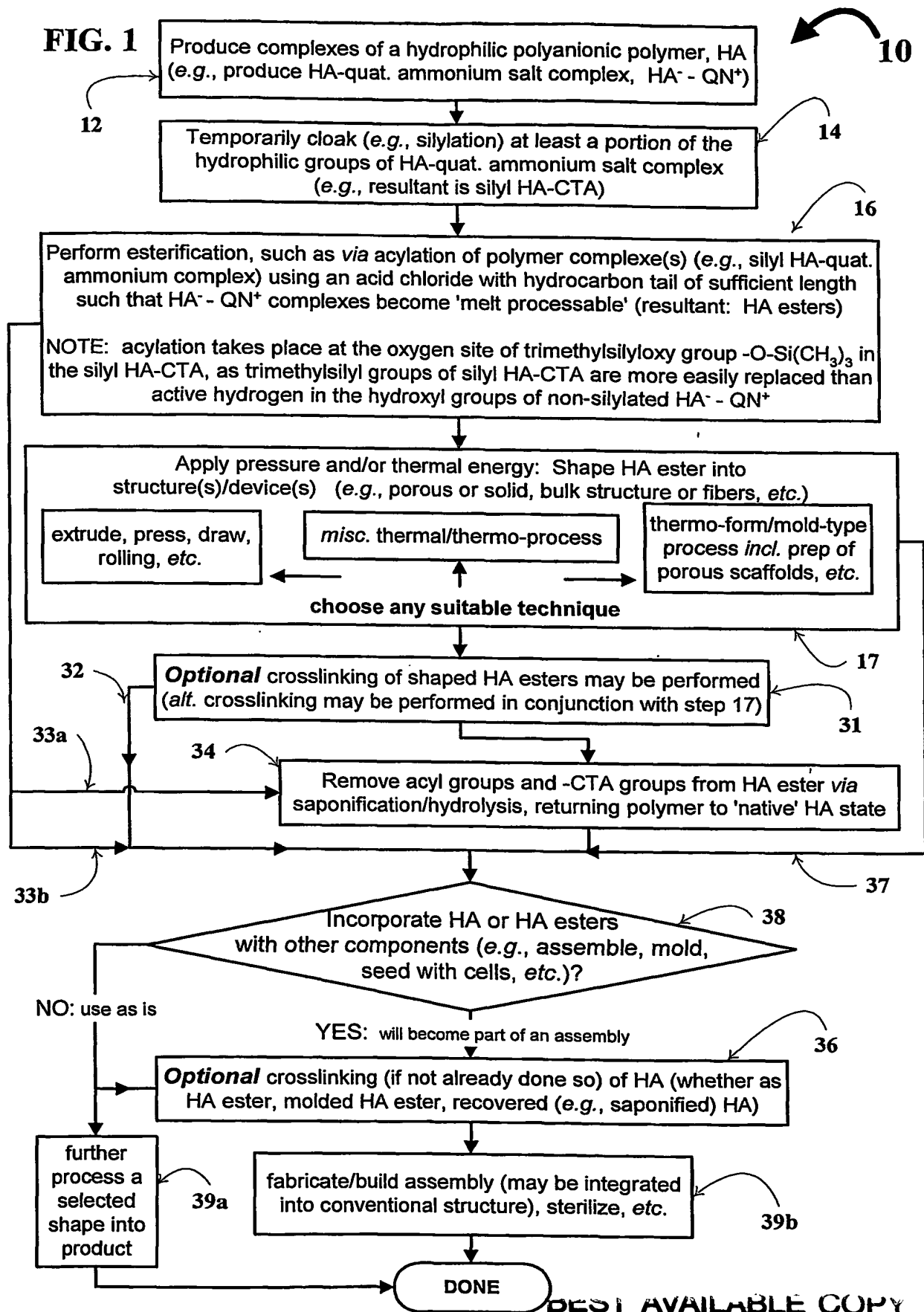


FIG. 1



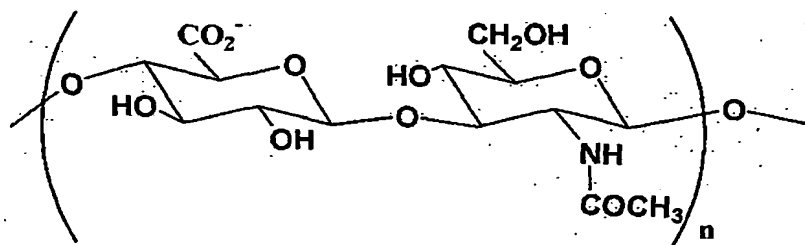


FIG. 2A

Hyaluronic Acid (Hyaluronan)

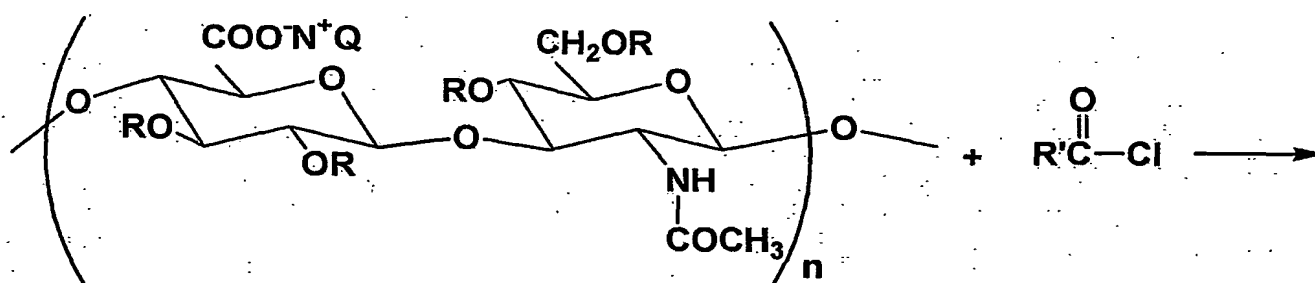


FIG. 2B

where $R = H$, structure represents plain $HA^- - QN^+$ complex
 where $R = Si(CH_3)_3$, structure represents silylated $HA^- - QN^+$

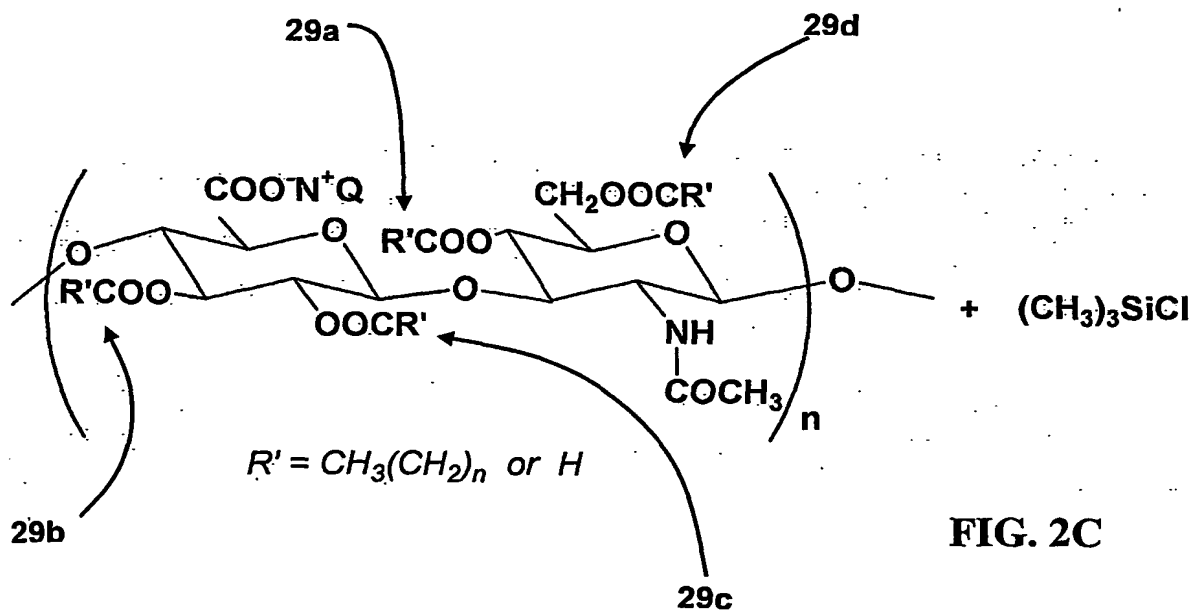


FIG. 2C

An acylated silylated $HA^- - QN^+$ complex structure,
 such that $Si(CH_3)_3$ groups now replaced with $R'CO$

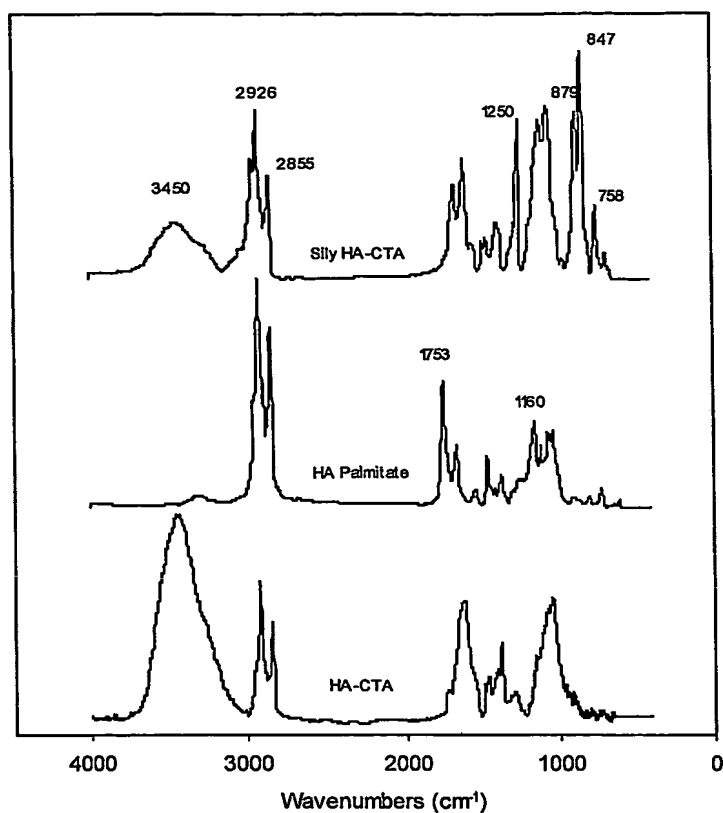


FIG. 3

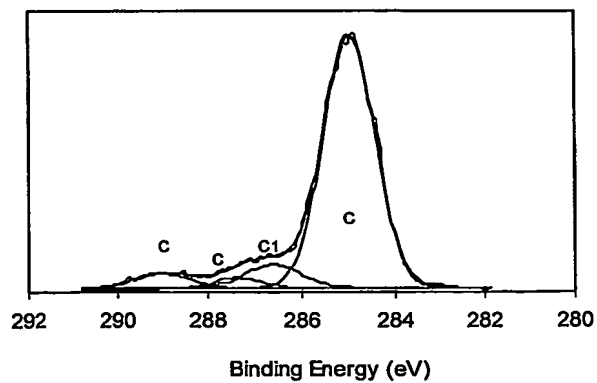


FIG. 4A

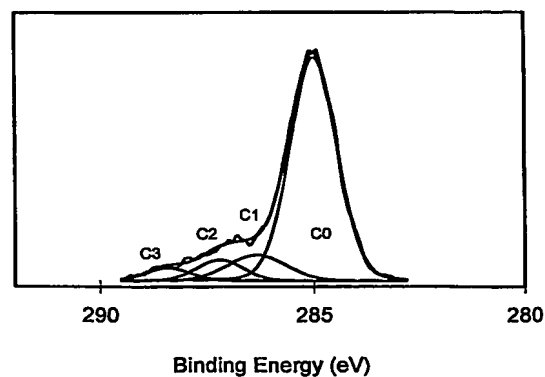


FIG. 4B

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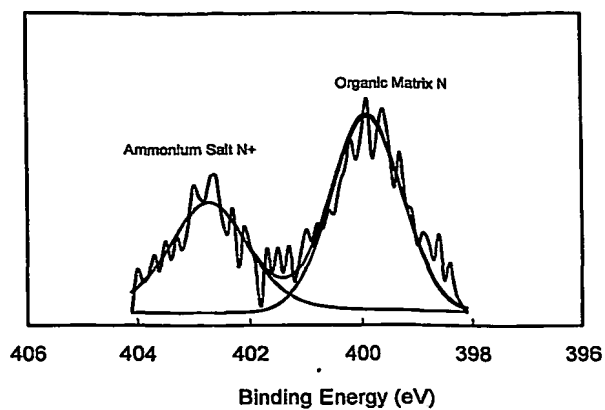


FIG. 5A

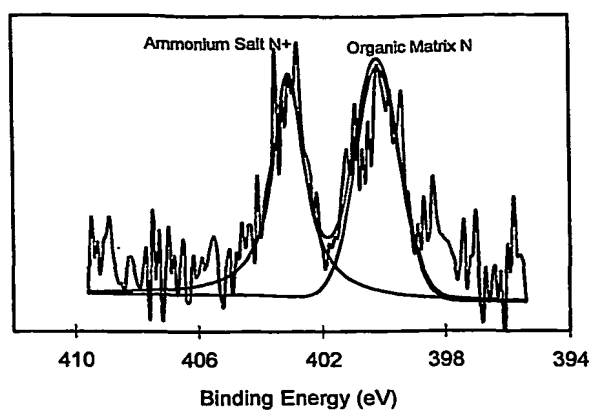


FIG. 5B

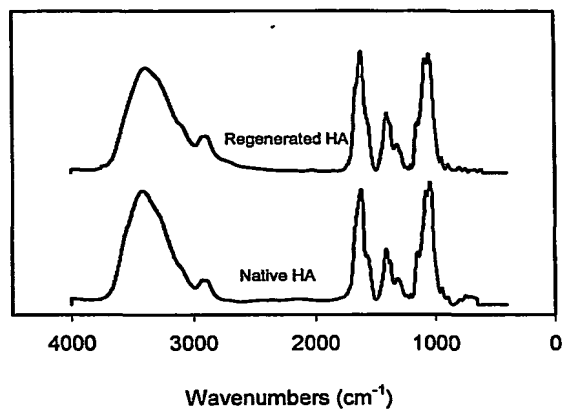


FIG. 6

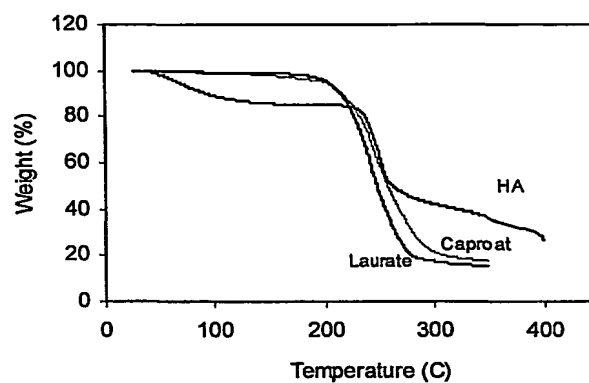


FIG. 7

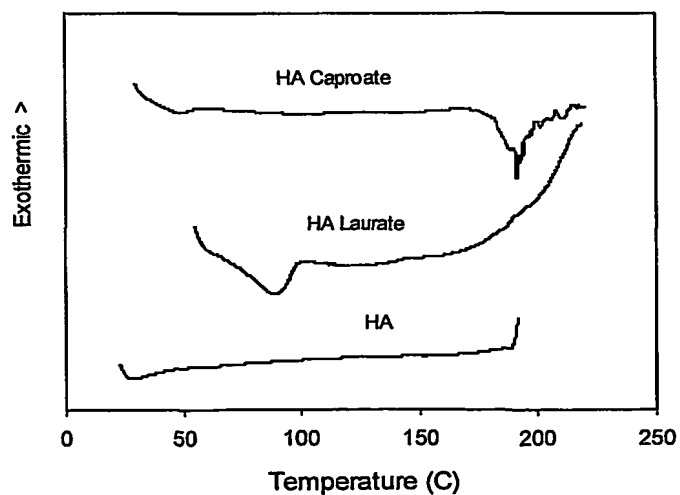


FIG. 8

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